

UNEXECUTED

DECLARATION FOR PATENT APPLICATION & POWER OF ATTORNEY☒ **Original** ☐ **Supplemental** ☐ **Substitute** ☐ **PCT**

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe that I am the original, first, and sole inventor (if only one name is listed below), or an original, first, and joint inventor (if multiple names are listed below) of the subject matter which is claimed and for which a patent is being sought related to the invention entitled:

**DIRECTIONALLY SOLIDIFIED EUTECTIC SUPERALLOYS
FOR ELEVATED TEMPERATURE APPLICATIONS**

the specification of which (check one):

☒ is attached hereto; or

☐ was filed on _____ as United States Patent Application No. or PCT International Patent Application No. _____, and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-referenced specification, as well as the claims, as amended by any amendment referred to above.

I hereby acknowledge the duty to disclose information which is material to the patentability of this invention in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application(s) which designated at least one country other than the United States, listed below, and have also identified, by checking the appropriate box below, any foreign application(s) for patent or inventor's certificate, or of any PCT international application(s) having a filing date before that of the application on which priority is claimed.

Prior Foreign Applications			Priority Claimed		Copy Attached	
Application No.	Country	Foreign Filing Date (mm/dd/yyyy)	YES	NO	YES	NO

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below and claim the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Application No.	Filing Date (mm/dd/yyyy)	Status (Mark Appropriate Column Below)		
		Patented	Pending	Abandoned

As a named inventor, I hereby revoke all prior powers and appoint the following attorney(s) and or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

COMPANY NAME: General Electric Company – Ann M. Agosti, Reg. No. 37,372; John F. Beninati, Reg. No. 40,510; Bernadette M. Bennett, Reg. No. 44,532; Christian G. Cabou, Reg. No. 35,467; Andrew J. Caruso, Reg. No. 48,520; Penny Clarke, Reg. No. 46,627; Paul J. DiConza, Reg. No. 48,418; David C. Goldman, Reg. No. 34,336; Donald S. Ingraham, Reg. No. 33,714; Ronald E. Myrick, Reg. No. 26,315; Patrick K. Patnode, Reg. No. 40,121; Henry J. Policinski, Reg. No. 26,621; James W. Mitchell, Reg. No. 25,602; Robert P. Santandrea, Reg. No. 45,072; Jean K. Testa, Reg. No. 39,396; John F. Thompson, Reg. No. 43,953; Toan Vo, Reg. No. 43,225; and Catherine J. Winter, Reg. No. 38,364.

FIRM NAME: Christopher L. Bernard, PLLC, 511 West 8th Street #2B, Charlotte, North Carolina 28202 USA.

Attorney or Agent	Registration No.
Christopher L. Bernard	48,234

I hereby acknowledge that the above listed attorney(s) and/or agent(s) and their firm, Christopher L. Bernard, PLLC, represent my employer (if I am an employee and this application has been or will be assigned to my employer) or the entity with which I have contracted (if I am an independent contractor and this application has been or will be assigned to such entity) and in such cases do not represent me individually. I further acknowledge, if applicable, that I have not established, nor will I seek to establish, any personal attorney/client relationship with Christopher L. Bernard, PLLC, in connection with this application and understand that, should I require legal representation, I will obtain such at my expense other than through Christopher L. Bernard, PLLC.

Please Send Correspondence to: Paul J. DiConza
GE Global Research Center
1 Research Circle
K-1 3A60
Niskayuna, New York 12309 USA

Please Direct Telephone Calls to: Paul J. DiConza
518.387.6131

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issued thereon.

Full Name of Sole or First Inventor: **Michael Francis Henry**

Inventor's Signature: _____

Date Signed: _____

Residence: _____

Mailing Address (if different): _____

Citizenship: _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issued thereon.

Full Name of Second Inventor: **Melvin Robert Jackson**

Inventor's Signature:

Date Signed:

Residence:

Mailing Address (if different):

Citizenship:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issued thereon.

Full Name of Third Inventor: **Ji-Cheng (nmn) Zhao**

Inventor's Signature:

Date Signed:

Residence:

Mailing Address (if different):

Citizenship:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issued thereon.

Full Name of Fourth Inventor: **Michael Francis Xavier Gigliotti, Jr.**

Inventor's Signature: _____

Date Signed: _____

Residence: _____

Mailing Address (if different): _____

Citizenship: _____